```
US-08-947-823-1
US-08-947-823-1
Sequence 1, Application US/08947823
Patent No. 6114605
GENERAL INFORMATION:
APPLICANT: Williamson, Valerie
                                                                                                                                                                                                                                                                                                                                                                                                  S
                                                                                                                                                                                                                                                                                                                                                                                                                                밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                           S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    á
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 문
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-08-998-416-595
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEFAX: 919-541-8689
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 658 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    3556 aaaacaaaatggcacgacaataaaaaaagttttcacgcaaaattttcttggtgcgcagaa 3615
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           3496 aaatttagaaaaacgaagattattattagtaatgaaaagcgaagaaaactacgtaataa 3555
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              REFERENCE/DOCKET NUMBER: PF
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                  3916 taatatttagagtagtaat 3934
||| || || ||| ||||
196 TAAAGTTAATAGTGGTAAT 178
                                                                                                                                                                                                                                                                                                                                                                                            3796 aggaaantgatagtgtgacaactaaaaaagttgtatacaaccctgtcataggtttagaaa 3855
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3736 atcamamomamageettamtetamamatttameaetttamemattametttama 3795
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  3616 agttatatatataattaatttaatttcatttacttttttccctttttattttaagtta 3675
                                                                                                                                                                      APPLICANT:
                                                                                                                                                          \PPLICANT:
                                                                                                                                                                                      APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                         554 AMANTAMATAMATAGAMATAGAMATAGCATATATATTATGTTCACAAAATACAATCTA 495
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STREET: Two
                                                                                PILICANT: Milligan, Stephen
TLE OF INVENTION: Procedures and Materials for Conferring
TLE OF INVENTION: Pest Resistance in Plants
MMBER OF SEQUENCES:
MRESFONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local Similarity
                                                                      ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   229;
94111-3834
                         California
                                                   3: Townsend and Townsend and Crew LLP
Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      single
linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
                                                                                                                                                     Yaghoobi, Jai
Bodeau, John
                                                                                                                                                                      Williamson, Valerie M.
Kaloshian, Isgouhi
Yaghoobi, Jafar
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PAG1408RP
                                          Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  919-541-8587
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        595:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PF/5-30306/A/CGC1976
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 82.2; DB 4;
Pred. No. 1.8e-06;
0; Mismatches 208;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 658;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2;
                                                                                                                                                                                                                                                                                                                                                                                                                                 257
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2
```

```
밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                δã
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Вþ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Ş
                                                                                                                                                                        Ş
                                                                                                                                                                                                                     В
                                                                                                                                                                                                                                                              8
                                                                                                                                                                                                                                                                                                             밁
                                                                                                                                                                                                                                                                                                                                                 Š
                                                                                                                                                                                                                                                                                                                                                                                                ₽
                                                                                                                                                                                                                                                                                                                                                                                                                                       Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ₽
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-947-823-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 1.9%;
Best Local Similarity 44.4%;
Matches 685; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEPHONE: (415) 576-03 TELEFAX: (415) 576-03 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  32127 ATTATATATAATGATGAAAAATTTAGAAGAATTCATACATCTCTGTACTTTTAAATTTG 32186
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            32067 AAACCAAAAATATCTATTAAACATTTAGTAATTTTAATATTATTTAAGGGCGAAACAATT 32126
                                                                                                                                 32364 AAAAT-TATTGCGTAAACATGTTTTTAATATTTGTTACAGAATATGACCAAAATTCGTAT 3242
                                                                                                                                                                                                                                                                                                             32304 GAACTTATTTAAAATAAATGTGTTTGAATAGTTAATATTTTATCCTAAAAATACTTTGA
                                                                                                                                                                                                                                                                                                                                                                                                32247 TTACAAACAATAACAAAGTGCTAAGCTTGTC---TTGACATGTTTTTGAAAGAAAAATTT
                                              32483 AAAAACAATAATAAAAGCTAAGTTTGTTTTGACATGTTTTTGAAGGAAATATTAAACAAA 3254
                                                                                                                                                                                                                                            2847 aagttatttttagaaaataagtaatgaaaatttaattctaaaatttatataacacttttatg 2906
                                                                                                                                                                                                                                                                                                                                                                                                                          2727 gtaatteetttteaacategntaageacateacactaaaattaetttaaatagataaaatt 2786
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2667 atgttttgtgcattaccgagagaggtcgaacatgatacacgcaagcatctaactagtttg 2726
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2613 atgtcactaaagaagaaaaaaattaacaagaattgtaa-----tatatttctttatgaa 2666
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2553 tattaagataaataagagaactattttaaagaatataaaataataataatgtaacaaatg 2612
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2493 accttcaaattaattaattccggaaaataataaacccacacactgttttatgcata 2552
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS:
LENGTH: 51952 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   REGISTRATION NUMBER: 02:
REFERENCE/DOCKET NUMBER: 02:
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: PCT/US97/18802
FILING DATE: 09-OCT-1997
PRIOR APPLICATION DATA: APPLICATION NUMBER: US 60/028,191
FILING DATE: 10-OCT-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: PatentIn Rel CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version
                                                                      2787 agattcaattggatgacattaatttataatactctatccaaaattataactataaataaa 2846
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                        2907 ctgtgtttgtttcgaagcatagaaaaataaaaagttattgttgggaatgaaaagtgaaga 2966
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION DATA:
3027 tttttcaaaatttacacttttatgatgtgtttgtttcgaagtgtagaaaaacgaaaagtt 3086
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: US/08/947,823 FILING DATE: 09-OCT-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: Bastian, Kevin
REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            34,774
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 82; DB 3;
Pred. No. 3.4e-06;
0; Mismatches 836
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         023070-070210US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        836;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 51952;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Indels 22;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
```

æ

32363

3230

```
ESULT 10
S-08-998-416-186/c
Sequence 186, Application US/08998416
Patent NO. 6239264
GENERAL INFORMATION:
                                                                                                                                              33493 AGCAAACTACAAACACATTATACTTAAGTTGAAGCAATAGAGA 33535
                                                                                                                                                                                          33433 AAATAAAAGTATTCTATTATCGAAGACAATAATGAAATGTATCAAAAAATTCACCAACAA 33492
                                                                                                                                                                                                                                              33373 AGTGTTGTGGAAGTTAAAAATCAAGTTTTTAATAAATACTTTCAATATTAATACCAAAAT 33432
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     В
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         В
                                                                                                                                                                   3985 atatoatgacaaatattttcaccgaaagatggaaagaacgaaa 4027
                                                                                                                                                                                                                 3925 gagtagtaatatggttgtataaaaaaatgtggttgtccatatatcattattcactttaaa 3984
                                                                                                                                                                                                                                                                                                                                                   33193 TATATATATATAGACATTATGTCAATTCTTATTGTATATAGATACAAAATTGCTTTCGTGATA 33252
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ş
                                                                                                                                                                                                                                                                       3867 eataaagagtaaatttgtaattaaatgat--ataaaaagtattaaaataataattta 3924
                                                                                                                                                                                                                                                                                                                                     33313
                                                                                                                                                                                                                                                                                                                                                                                                                                                          33073 TGGGGGTAAGATTCAAAGTTTTCTTTCACGGCATGATAATTAGAGTGTAGTATAAAATTT 33132
                                                                                                                                                                                                                                                                                                                                                                          3747 goottaalotaaaatttacaacacttittaacottaaaattaactttaaaaggaaaatgat 3806
                                                                                                                                                                                                                                                                                                                                                                                                                             3687 Etttoatttaaaatataaatattattaaatataaaaaatataaccttaatcaaaacaaa 3746
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   33013 AACAAAATTAAAAAATAAATAATAACTTGAAAAAGAAAAATAAGTATATTGGTTATTTTG 33072
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     32956 AAGAAAATAAAAAATGAAAATG---TCAATATCAAAGGGCTTGAGAAATATAGAGGAAAA 33012
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          32896 TATTCAAATTCTAAGGAATATAAAAATACAAAATAAGAAATATGAGTAGTTAAAAAATA 32955
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        3507 aacgaagagttattattagtaatgaaaagcgaagaaaactacgtaataaaaaacaaaatg 3566
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 32776 TAATGTATTCATCAAAAGATTAAAAAAAAAAAAAAATCAATTTTAAATAATAATATTTT 32835
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              3447 aaaaagtitttcacacaaaactitttticaaaatittactatgtitatticgaaatitagaaa 3506
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              32836 CTTGATATATATATGATAAACTATTTAACAGGGGAAAATTTGACAAGAAAAAATATTAA 32895
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     32717 ATAAAATTACATGACAAAGAAAAAAAACAATGTTTGACTATTAAGAAATTAATG-ATTCGA 32775
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               3387 tattggtaatgaaagcgaagaaaccacataataaaaccaaaatggcacgacaatcaag 3446
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        32660 ATTATTGAAATAATCTTTAAAATGACGTA---TCAACATTTTTAATTAATTTGAAGAAAT 32716
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3327 caaaatttataacattttcatgttgtgtttgtttcaaagcctagaaaaacgaagagttac 3386
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            32600 TTCTTATGTAAACATATGTTAATATTTGTTACAGAATATGACCACTAAATTCGTATCTTC 32659
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3267 ccatgtaatgaaaacaaaatggcacgacaatcaaaaaagttttcacgcaaaattttctt 3326
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              3207 gtttgtttccgaggtatagaaaaacaaagaattagtgttggtaatgaaagtgaagaaaa 3266
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 32543 TTT---AAAATAAAATGTGTTGAATAGTTAATATTTTGTTCCTAAAAAACACTTTAAAGAA 32599
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               3147 aatcaaaaaaaagtttotacacaaaaactttattcaaaatttacaacacttttatgttgtt 3206
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3087 attattggtaatgaaaagcgaagaaaatcacgtaataaaaacaaagcaagatggcacgac 3146
                                                                                                                                                                                                                                                                                                  δ
                                                                                                                                            δõ
                                                                                                                                                                        B
                                                                                                                                                                                               γ
                                                                                                                                                                                                                                                                                                                                                                                       WOLECULE TYPE: D
ORIGINAL SOURCE;
ORGANISM: PAG1
US-08-998-416-186
                                                                                                                                                                                                                            В
                                                                                                                                                                                                                                                 Š
                                                                                                                                                                                                                                                                             Вb
                                                                                                                                                                                                                                                                                                      Š
                                                                                                                                                                                                                                                                                                                                                                                                                                     ATTORNAL INFORMAL ...

NAME: Melgs, J. Timothy
REGISTRATION UNMER: 38,241
REFERENCE, DOCKET NUMBER: PF/5-
TELEPHONE: 919-541-8857
INFORMATION FOR SEQ ID NO: 186:
LENGTH: 615 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local
3943 atamaamatgtggttgtccatatatcattmattcactttmamatmatcatgmacmanmattt 4002
                                                                                                                                                                                                                                                                                                                              Matches
                                                 3823 aagttgtatacaacocctgtcataggtttagaaataatatatataatdaagagtaaattt 3882
                                                                                                                                                      3766 ---aacaottttaacotttaaaattaactttaaaaggaaaatgatagtģtgacaactaaaa 3822
                                                                                                                                                                                                          3707 attatttaaatataaaaaatataaccttaatcaaaaccaaagccttaatctaaaatttac- 3765
                                                                                492 AATAAGAAATTAAAGTTAAAATTAATTATAATAATTCTTATAAAAAGTTAAATAATA 433
                                                                                                                                                                                                                                                             3647 tacttttttccctttttattttaaagttaaattattattattttcatttaaaatataaat 3706
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION DATA,
APPLICATION NUMBER: CH 0016/97
FILING DATE: 31-DEC-1996
APTORNEY/AGENT INFORMATION:
NAME: Me19s, J. Timothy
REGISTRATION NUMBER: 38,241
                                                                                                                                                                                       APPLICANT: POblimann, Rainer
APPLICANT: Steiner, Sabine
APPLICANT: Steiner, Sabine
APPLICANT: Wendland, Jurgen
APPLICANT: Wendland, Jurgen
APPLICANT: Rebischung, Corinne
TITLE OF INVENTION: GENOMIC DNA SEQUENCES OF ASI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatable
OPERATING SYSTEM: PC-DOS/MS-DOS
CURRENT APPLICATION NAMA:
APPLICATION NUMBER: US/08/998,416
FILING DATE: 24-DEC-1997
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                   Local Similarity 48.6 ses 287; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS:
ADDRESSEE: No. 6239264art1s Corporation
STREET: 3054 Cornwallis Road
CITY: Research Triangle Park
STATE: No. 6239264th Carolina
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                     PAG1074RP
                                                                                                                                                                                                                                                                                                                                                                                                                          DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Philippsen,
                                                                                                                                                                                                                                                                                                    1.9%; Score 81.8; DB 4; Length 615;
48.6%; Pred. No. 2.1e-06; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   _PF/5-30306/A/CGC1976
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ASHBYA GOSSYPII
                                                                                                                                                                                                                                                                                                  Indels 7;
```

B ğ

Ŋ

Вb

В δ В Ş В ş DЬ

Ş

Title: Perfect score: Sequence:

US-09-724-857-1 4298

table:

Š

nucleic

nucleic search, using sw model

GenCore version 4.5 Copyright (c) 1993 - 2000 Compugen

Post-processing: Minimum Match 10% Maximum Match 100% Listing first 45 summaries

seq length: 0 seq length: 2000000000

hits satisfying chosen parameters:

383533 seqs, 122816752 residues

IDENTITY\_NUC Gapext 1.0

gcatgcactgccacaagtag......

tal number of

```
Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Issued_Patents_NA:*

1: /cgn2_6/ptcdate/1/ina/5A_COMB.seq:*
2: /cgn2_6/ptcdate/1/ina/5B_COMB.seq:*
3: /cgn2_6/ptcdate/1/ina/6A_COMB.seq:*
4: /cgn2_6/ptcdate/1/ina/6B_COMB.seq:*
5: /cgn2_6/ptcdate/1/ina/backfiles1.seq:*
6: /cgn2_6/ptcdata/1/ina/backfiles1.seq:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   July 8, 2002, 20:09:27; Search time 84.83 Seconds (without alignments) 12445.276 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        .ctgcacagactagcgtaaac 4298
                                             Sequence 1, Appli sequence 13, Appli sequence 13, Appli sequence 2, Appli sequence 288, Appli sequence 288, Appli sequence 595, Appli sequence 1137, Appli sequence 166, Appli sequence 2, Appli sequence 2, Appli sequence 2, Appli sequence 3, Appli sequence 3, Appli sequence 6, Appli sequence 1, Appli sequence 1137, Appli sequence 1137, Appli sequence 116, Appli sequence 1186, Appli sequence 1186, Appli sequence 186, Appli s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         767066
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 1. Application US/09360186

Fatent No. 626243

GENERAL INFORMATION:

APPLICANT: Staskawicz, et al.

TITLE OF INVENTION: Bs2 Resistance Gene
FLEE REFERENCE: 50687

CURRENT APPLICATION NUMBER: US/09/360,186

CURRENT FILING DATE: 1999-07-23

EARLIER APPLICATION NUMBER: 60/093,957

NUMBER OF SEQ ID NOS: 9

SOFTWARE: Patentin Ver. 2.0

LENGTH: 31491

TYPE: DNA

ORGANISM: Capsicum annuum

US-09-360-186-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                        ο<sub>γ</sub>
                                                                                                 В
                                                                                                                                                 δÃ
                                                                                                                                                                                                        В
                                                                                                                                                                                                                                                      Š
                                                                                                                                                                                                                                                                                                                Ъ
                                                                                                                                                                                                                                                                                                                                                                Ş
                                                                                                                                                                                                                                                                                                                                                                                                                           В
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ₽
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 1
US-09-360-186-1/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
5.8%; Score 248.4; DB 4;
Best Local Similarity 52.3%; Pred. No. 2.3e-35;
Matches 667; Conservative 0; Mismatches 598;
                                                          24200 TTCAAAAATAGACCTTCGTTCGGGTTACCATCAGTTGAAAATTAGGGAGTCAGACATACC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0 0 0 0 0 0
                                                                                                                                                                                                        24260
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              a
                                                                                                                                                                                                                                                                                                                24320
                                                                                                                                                                                                                                                                                                                                                                             24380 AGGTTTTATTCGTCCTACTGTTTCCCCATGGGGTACACCCGTGCTTCGTGCGAAAGAA 24321
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        24440 TAGAATGGCTCCCCCCCGAACTAAAGGAGTTAAAGGAACAGCTAGCAGACCTCCTAGACAA 24381
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                24500 GGAGATAGATTTTGGCATTGATGTTGCCAGACACTCATCCTATTTCTATTCCGCCATA 24441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  o
                                             477
                                                                                                                                                                                                                                                         357
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            177 tagaaccaaccccgaggaaacaaaggagatagaatcacaagttcaaagacttgttggagaa 236
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       117 9999atagaacatcaaattgactttataccgg999gcaagcctaccaaataggcctcctta 176
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ctccaaaasttgaccttaaaagtggatatcaccaaasttcgaatcaaggaggggtgatgagtg 476
                                                                                                                                                                                                     taggcatccaatcccaaggcttgacgatatgcttgatgaattgcattggggtcaactctatt 416
                                                                                                                                                                                                                                                                                                         agatggaaaatggogtatgtgttgtgtgtgtgtggagcaatcaaccaccatcaacta 356
                                                                                                                                                                                                                                                                                                                                                                                                                    999tt999ttcaaaaagagcctaagcccttgtgctgtacctgtcttgtt9gtgccaaaaaa 296
                                                                                                                                                                 TAAATATCCTCTTCCTAGGATTGATGACCTTTTTGACCAGCTTCAGGGTGCTAAGTGCTT
                                                                                                                                                                                                                                                                         GGATGGGTCCCTTCGGATGTGCATAGACTACCGTCAGTTGAATAAGATCATGATTAAAAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  630
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 US-09-316-083-2

3 US-08-894-731-2

4 US-09-316-083-2

2 US-09-316-083-2

2 US-09-316-075-1

1 US-08-32-463-14

2 US-08-331-722-1

2 US-08-731-722-1

2 US-08-731-722-1

2 US-08-731-722-2

2 US-08-731-722-2

3 US-08-731-722-2

3 US-08-731-723-1

4 US-08-731-723-1

5 US-08-731-723-1

5 US-08-731-723-1

6 US-08-731-73-758-1

8 US-08-99-416-534

9 US-08-99-416-534

9 US-08-817-926-29-13

9 US-08-817-926-29-13

9 US-08-817-926-29-13

9 US-08-817-926-29-13

9 US-08-817-926-29-13

9 US-08-817-926-27

9 US-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 31491;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 2, Appli
Sequence 2, Appli
Sequence 2, Appli
Sequence 1, Appli
Sequence 2, Appli
Sequence 2, Appli
Sequence 2, Appli
Sequence 34, Appli
Sequence 11, Appli
Sequence 17, Appli
Sequence 17, Appli
Sequence 17, Appli
Sequence 17, Appli
Sequence 18, Appli
Sequence 17, Appli
Sequence 18, Appli
Sequence 17, Appli
Sequence 18, Appli
Sequence 18, Appli
Sequence 18, Appli
Sequence 19, Appli
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                          24141
                                                                                                                                                                     24201
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           S
```

Result No.

% Query Match

Length

ВG IJ

SUMMARIES

იი

იი

31491
19124
19124
5985
6124
6183
636
658
5195
5195
6124
7568
7568
7568
7568
7569
8457
8457
8457
837

1 US-09-360-186-1 2 US-08-487-826B-13 2 US-08-487-826B-13 2 US-08-298-416-288 4 US-08-298-416-288 4 US-08-298-416-1337 4 US-08-998-416-186 4 US-08-998-416-186 4 US-08-998-416-186 4 US-08-998-416-186 5 US-08-998-416-186 6 US-08-998-416-186 1 US-08-998-416-186 2 US-08-947-823-1 1 US-08-998-416-186 2 US-08-947-823-1 1 US-08-947-823-1 2 US-08-947-823-1 1 US-08-947-823-1 2 US-08-947-823-1 1 US-08-947-823-1 1 US-08-947-823-1 2 US-08-947-823-1 1 US-08-947-823-1 2 US-08-947-823-1 1 US-08-947-823-1 2 US-08-948-332-8 4 US-08-998-416-1137 6 S231168-1 US-08-998-416-188

Ω

밁

```
RESULT
US-08-447-826B-13/c
Sequence 13, Application US/08487826B
Patent No. 5993827
GENERAL INFORMATION:
APPLICANT: Sim, Kim L.
APPLICANT: Sim, Kim L.
APPLICANT: Miller, Louis H.
APPLICANT: Miller, Louis H.
APPLICANT: Peterson, David S.
                                                                                                                                                                                                                 23244 CCGACGCCCTCAGTAG 23229
                                                                                                                                                                                                                                                               23304 AGCTTTTGAAAGACTATGATATGAGTCTGCATTACCATCCGGGCAAGGCAAATATTGTAG 23245
                                                                                                                                                                                                                                                                                                                            23364 AGAGTTTACAGTATGTTTTCTCACAGAAAGAATTAAACCTTAGGCAGAGGCGTTGGATAG
                                                                                                                                                                                                                                                                                                                                                                                        23420 TAGAATCTGGAGGCACTATCTCTATGG----AGTGCATGTTGATATTTATACTGACCATA 23365
                                                                                                                                                                                                                                        1370 ccgatgctctttctag 1385
                                                                                                                                                                                                                                                                                        1310 aatttottgaacaatttoottatgtoatoaaatacaaggaagcaocaatatagtgg 1369
                                                                                                                                                                                                                                                                                                                                                     1250 agtotttaaaatatttaaagggocaacacaagoctcaataagagacatgotaaatggatgg 1309
                                                                                                                                                                                                                                                                                                                                                                                                                1190 tamagacttggggamcactaccttgngtcocamagamatttggntatccatmgtgmtcacg 1249
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                23840 CGGAATAAGAGTGGATCCCCTAGAAAGTTGAAGTAGTGAGAAAAAGGCCTAGACCCACGAC 23781
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             23900 TTCTAAGTGTAAATTCTGGTTATACGCTATTGACTTCCTGGGGCATATTGTGTCCAGTGA 23841
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          23960 CACCAATCACCTCCGAATTATCCTTCAGACCCTTAAGGATTATCAACTATATGCCAAATT 23901
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   24080 GAGTAACGCCCCTGCAGCCTTCATGGATCTTATGAGTAGAGTGTTCCGTCAATTTATTGA 24021
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 24140 CAAGACAGCCTTCCGAACCCGATATGGTCACTACAAATTTTTAGTCATGTCCTTCGGGTT 24081
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     777 99999tgcatgtagatcccgagaaaatcaaagccatccgcgagtggccaactccacaaaa 836
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    717 ggataagtgtaccttttgtgtagatagcgtagtctttttagggctttatagtaaaccaaaa 776
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 657 totaagtcacottagggaagttottotagttottaggaaaaatagtottttttgocaatag 716
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            537 tactmacgctccaagtacattcatgaggcttatgaatcacaccttgagggattgtatagg 596
                                                                                                                                                                                                                                                                                                                                                                                                                                                     GTGCATGAGTGCGATTÁCCCTACTCATGACTTGGAGTTAGCAGCCGTGGTGTTTGTACT 23421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              99tgccaccct--cactaccccacctatgacaaagact---ctatgctcttgtgcgaccc 1189
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ACTTGGTTGTGTATTGATGAAGCGTGGTAAGGTGATAGCTTATGCATCTAGGCAGTTAAA 23481
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           -catagtgcggttttgttgcaaggtggacaccccttgcttattttagtgaaaaactccat 1134
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TTTGACCCTTCCCGAGGGTGTAGATAATTTTGTGGTTTATTGTGATGTGTCCCGTATGGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             cctatctcttccaaatttttccaaacttttggagatagagtgtgatgcatcgggagtagg
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                gaatgaaaagcatgagcaagcctttcaaaggctaaaag-ctcactcaccaatgcacccat 1015
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ttittetageetagetteteeettgaatgaaettgtaaaaaaagatgttgeattttgttg 956
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TCCAACCGATATTTGAACCTTTTTGGGTTTTGGCCGGGTATTACAGAAGGTTCGTAGAAAG 23721
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CTTGTTCGTCATTGTATTTATTGATAATATTCTGATCTATTCTAAGAGTAAAGAGGATCA 23961
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 taaatatgtagtutatuttgatgatatottagtatatagtaaaccctagaagacca 656
                                                                                                                                                                                                                                                                                                                              23305
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1075
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    23541
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         23661
                        Ş
                                                                                Ş
                                                       밁
                                                                                                                 В
                                                                                                                                             Qy
                                                                                                                                                                              В
                                                                                                                                                                                                         ğ
                                                                                                                                                                                                                                          В
                                                                                                                                                                                                                                                                      á
                                                                                                                                                                                                                                                                                                       Ъ
                                                                                                                                                                                                                                                                                                                                    ρy
                                                                                                                                                                                                                                                                                                                                                                    밁
                                                                                                                                                                                                                                                                                                                                                                                                 Q
                                                                                                                                                                                                                                                                                                                                                                                                                                ₽
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-08-487-826B-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 2.4%;
Best Local Similarity 42.8%;
Matches 866; Conservative C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEPHONE: (619) 235-8550
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 19124 base pairs
TYPE: nucleic acid
                              2345 taaaaaattattaaacaalgaatttttt-----tggaaattaatataaaacttagac 2396
                                                                                          2225 aasacatcattcaagttttgtataacactgtgacgttaaccagttaaaataagaaaatca 2284
                                                                                                                                                                                                                                             2165 tatttettttoeatetagatgetetgtaettttetteagttgaaatttoeaeteteeaae 2224
                                                                                                                                                                                                                                                                              TOPOLOGY: linear MOLECULE TYPE: cDNA HYPOTHETICAL: NO ANTI-SENSE: NO
                                                                                                                                                                                                                                                                                                 2045 aagtaaaaagtatttgttottagattattatgagtatatacttåctttötgtatttoattt 2104
                                                                                                                                                                                                                                                                                                                                                                                                         NAME: Israelsen, Ned REGISTRATION NUMBER: 29,655 REFERENCE/DOCKET NUMBER: NITELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOSTWARE: Patentin Release #1.0, Version
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: USO
FILING DATE: 10-SEP-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Israelsen, Ned
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Su, Xin-zhaun
APPLICANT: Wellems, Thomas E.
TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX
TITLE OF INVENTION: BAND PLASMODIUM FALCIPARUM ERVTHROCTTE BINDING PROTEINS
NUMBER OF SEQUENCES: 45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY: 11
ADDRESSEE: Knobbe Martens Olson & Bear STREET: 620 Newport Center Drive 16th Floor STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US/08/487,826B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 102.6; DB 2;
Pred. No. 7.4e-10;
0; Mismatches 1130;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NIH121.001CP1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         . 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 19124;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        26; Gaps
```

6

밁

δÃ

밁 ş DЬ S В Š DЬ Š В δÃ

23480

23600

1016

1076

23660

957

23720

897

Ş 망 9 Ş B Ş ₽

24020